

IN THE CLAIMS:

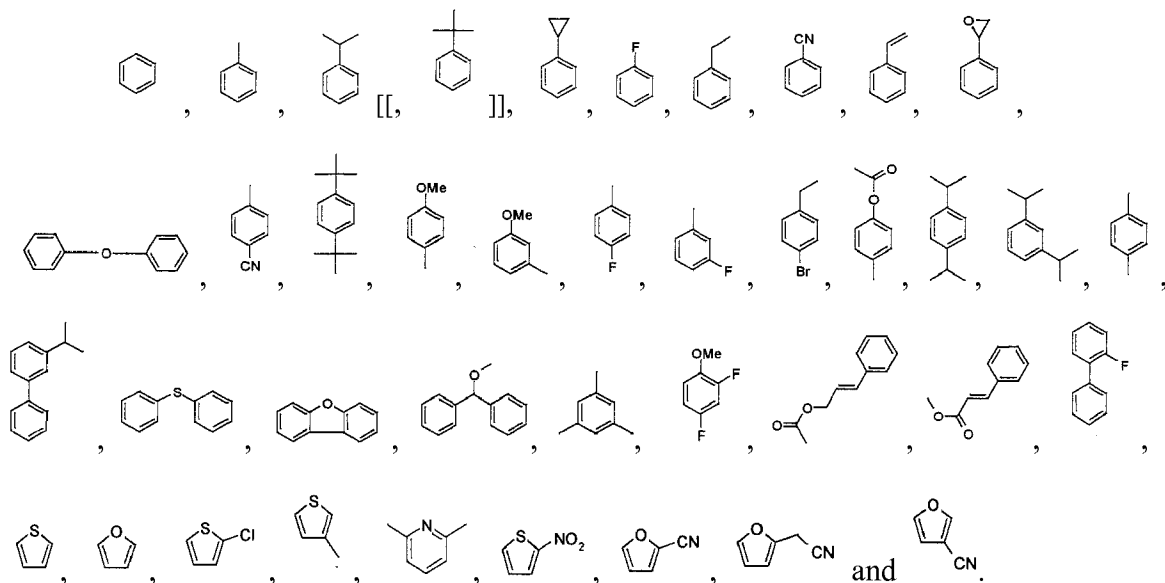
1 – 9. (Cancelled)

10. (Currently Amended) A nonaqueous electrolyte solution comprising the following components:

- i) a lithium salt;
 - ii) an electrolyte solvent;
 - iii) a first additive compound with an oxidation initiation potential of more than 4.2 V;
- and

iv) a second additive compound with an oxidation initiation voltage of more than 4.2 V, which is higher in oxidation initiation potential than the first additive, and which deposits oxidative products or forms a polymer film, in oxidation,

wherein the first additive is selected from the group consisting of



11. (Previously Presented) The nonaqueous electrolyte of Claim 10, wherein the content of the first additive is 0.1-2% by weight, and the content of the second additive is 0.5-5% by weight.

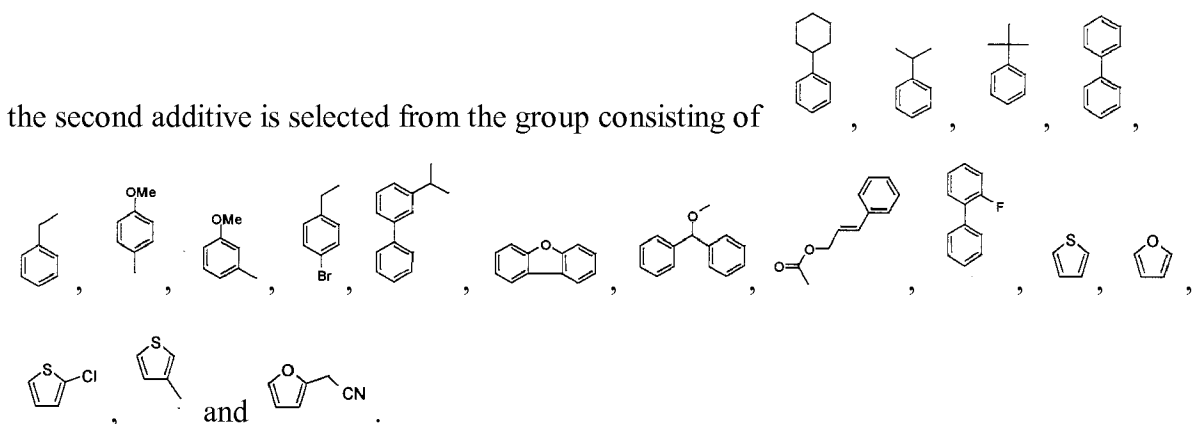
12. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein the oxidation initiation potential of the additives iii) and iv) is 4.2-5.3V.

13. (Previously Presented) The nonaqueous electrolyte solution of Claim 12, wherein the oxidation initiation potential of the additives iii) and iv) is 4.5-4.9V.

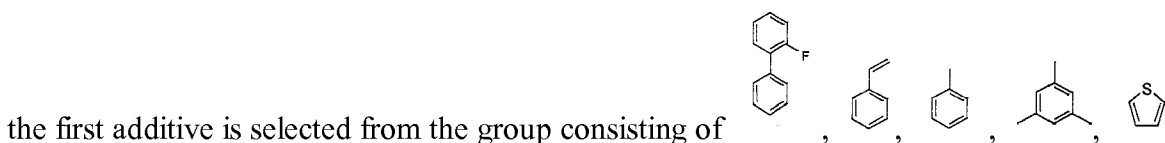
14. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein the compounds of the additives iii) and iv) with an oxidation initiation potential of more than 4.2V are aromatic compounds with an oxidation initiation potential of more than 4.2 V.


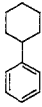



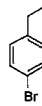
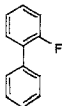
15. (Cancelled)

16. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein



17. (Previously Presented) The nonaqueous electrolyte solution of Claim 10, wherein



and , and the second additive is selected from the group consisting of , , , ,  and .

18. (Previously Presented) A lithium secondary battery comprising the following components:

- a) a cathode capable of absorbing and releasing lithium ions;
- b) an anode capable of absorbing and releasing lithium ions;
- c) a porous separator; and
- d) the nonaqueous electrolyte solution according to Claim 10.

19. (Previously Presented) The lithium secondary battery of Claim 18, wherein the content of the first additive compound is 0.1-2% by weight, and the content of the second additive compound is 0.5-5% by weight.

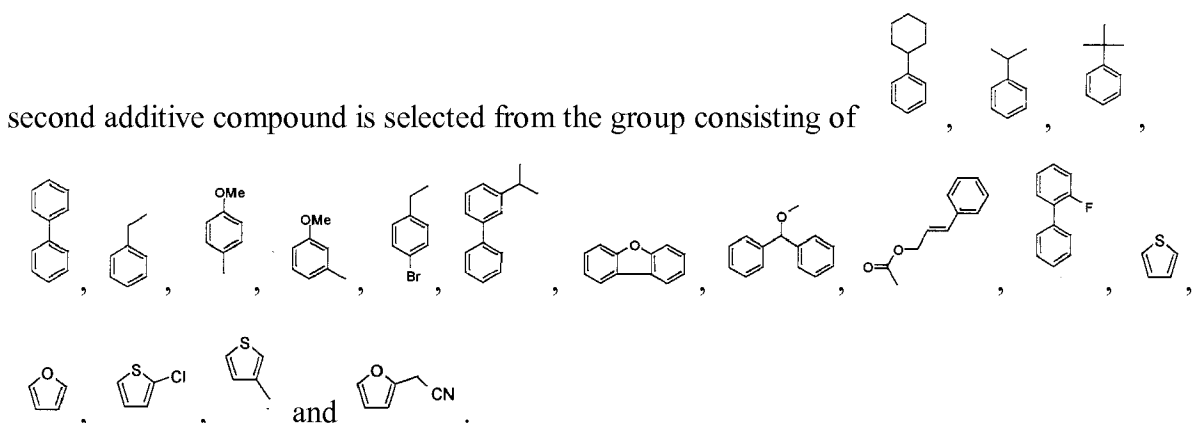
20. (Previously Presented) The lithium secondary battery of Claim 18, wherein the oxidation initiation potential of the additives iii) and iv) is 4.2-5.3V.

21. (Previously Presented) The lithium secondary battery of Claim 20, wherein the oxidation initiation potential of the additives iii) and iv) is 4.5-4.9V.

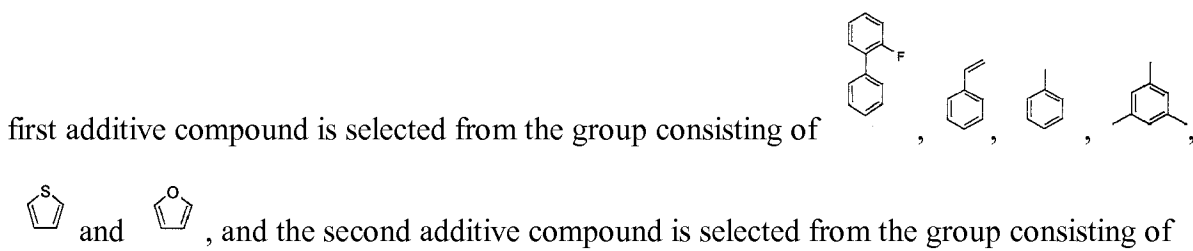
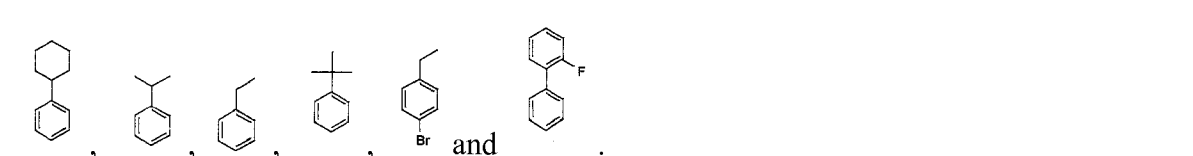
22. (Previously Presented) The lithium secondary battery of Claim 18, wherein the compounds of the additives iii) and iv) with an oxidation initiation potential of more than 4.2V are aromatic compounds with an oxidation initiation potential of more than 4.2 V.

23. (Cancelled)

24. (Previously Presented) The lithium secondary battery of Claim 18, wherein the

second additive compound is selected from the group consisting of  ,

25. (Previously Presented) The lithium secondary battery of Claim 18, wherein the

first additive compound is selected from the group consisting of  , and the second additive compound is selected from the group consisting of  .

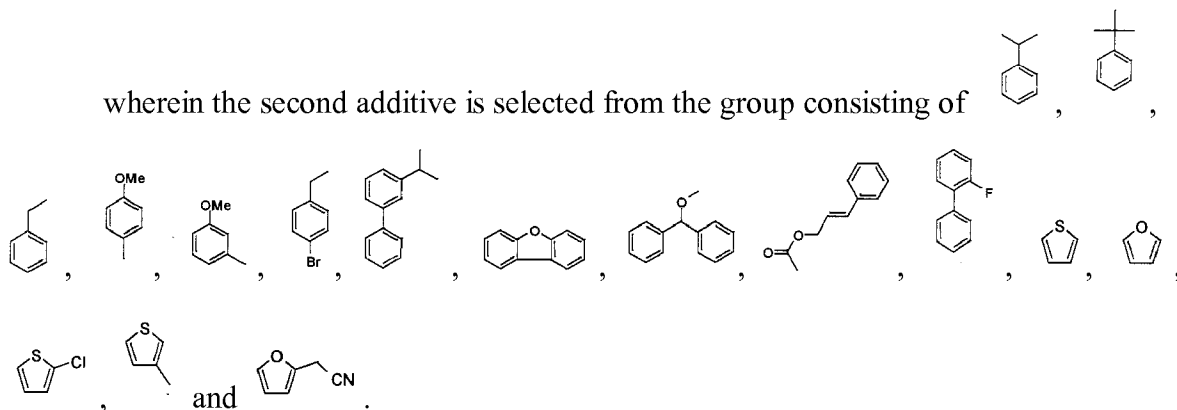
26. (Withdrawn) A nonaqueous electrolyte solution comprising:

- i) a lithium salt;
- ii) an electrolyte solvent;
- iii) a first additive compound with an oxidation initiation potential of more than 4.2 V;

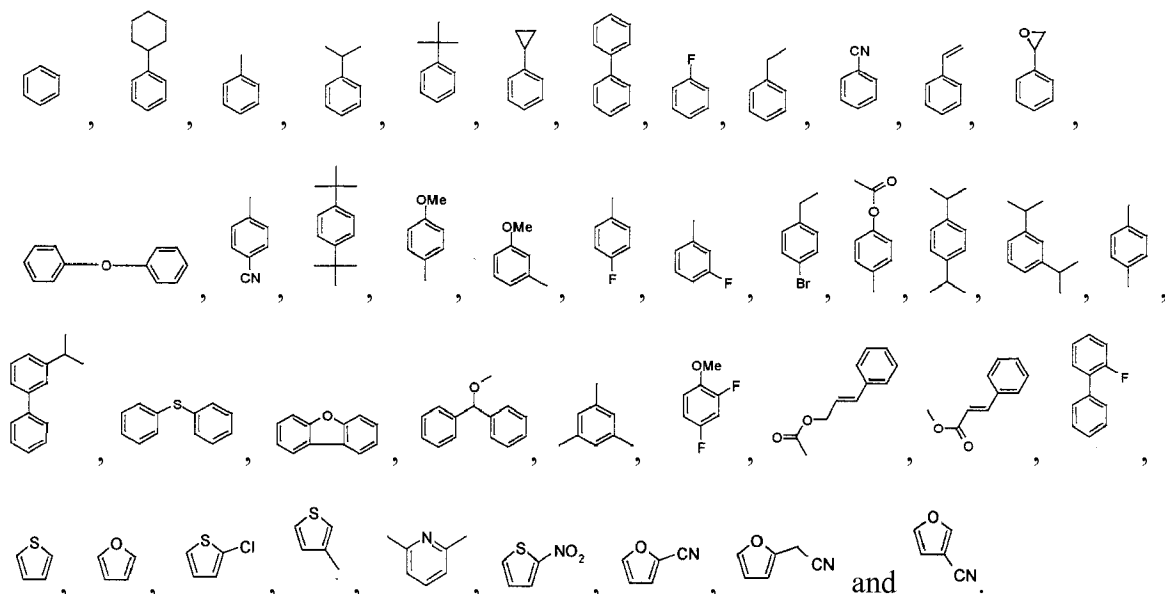
and

iv) a second additive compound with an oxidation initiation voltage of more than 4.2 V, and which is higher in oxidation initiation potential than the first additive, and which deposits oxidative products or forms a polymer film, in oxidation,

wherein the second additive is selected from the group consisting of



27. (Withdrawn) The nonaqueous electrolyte solution of claim 26, wherein the first additive is selected from the group consisting of



28. (Withdrawn) A lithium secondary battery comprising:

- a) a cathode capable of absorbing and releasing lithium ions;
- b) an anode capable of absorbing and releasing lithium ions;
- c) a porous separator; and
- d) the nonaqueous electrolyte solution according to claim 26.

29. (Withdrawn) The lithium secondary battery of claim 28, wherein the first additive

